18 July 1957

TO: N.C.P.

ROOM NO.	BUILDING

REMARKS:

Since this capacitor is due to be sent back tomorrow, I am detaching it and the drawings in order to make measurements.

Al: Can we have Our Comments on the use of this "C" ready for Monday 22 TTY Ckt. Think SI wants Evaluation as to whether cost is justified

FROM: STAT

ROOM NO.	BUILDING	EXTENSION

FORM NO. 241 REPLACES FORM 36-8 WHICH MAY BE USED (47)

☐ UNCLASSIFIED ☐ USE ONLY ☐ CONFIDENTIAL ☒ SECRET

ROUTING AND RECORD SHEET

SUBJECT: (Optional)

FROM: Chief, External Projects Section

NO.

DATE: 16 July 1957

TO: (Officer designation, room number, and building)	DATE RECEIVED	DATE FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1. Chief, Internal Projects Section				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

FORM 1 DEC 56 610 USE PREVIOUS EDITIONS ☒ SECRET ☐ CONFIDENTIAL ☐ INTERNAL USE ONLY ☐ UNCLASSIFIED

~~SECRET~~

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Internal Projects Section, R&D **DATE:** 16 July 1957

FROM : Chief, External Projects Section, R&D

SUBJECT: Sub-miniature Teflon Dielectric Capacitor

1. Transmitted herewith is the cost and price analysis for 50 of the [redacted] miniature variable capacitors. Also enclosed is an engineering drawing of the suggested capacitor, and a production model of a similar device. 25X1

2. Please note, that the method of construction does not conform to the drawing prepared by you in that the method of mounting, and the means of making electrical contact to the rotor is different. [redacted] has carefully examined the problem and feels the approach incorporated in this production model is superior to all other means of manufacture. In all other respects, however, the proposed condenser will meet the desired specifications as described by your drawing of 2 July 1957. 25X1

3. The production condenser enclosed illustrates the means of making electrical connection and also the method of mounting in which a bus bar would be soldered into one of the eyelets and the unit attached to a printed board by this means. This particular condenser is currently in limited production and has a minimum capacity of 20 micromicrofarads and a maximum capacity of approximately 220 micromicrofarads. As this unit is being used in other work, it will be necessary that it be returned to this Section not later than 19 July in order that it may be returned to [redacted] 25X1 25X1 25X1

Enclosures:
(1) Subminiature capacitor
(2) Drawing, [redacted] #91488-1 25X1
(3) Drawing, R&D/IP capacitor subminiature, dated 7-2-57
(4) Cost and price analysis

DOCUMENT NO. _____
NO CHANGE IN CLASS. ☐
☐ DECLASSIFIED
CLASS. CHANGED TO: TS S C 2010
NEXT REVIEW DATE: _____
AUTH: HR 70-2
DATE: 3 DEC 1980 REVIEWER: 064540

~~SECRET~~

COST AND PRICE ANALYSIS

QUANTITY OF 50

MINIATURE VARIABLE CAPACITOR #91488-1

	Unit Cost	Total for Quantity of 50 Units
Materials		$ 10.00
Manufacturing Set Up Labor-2-3/4 hrs at $2.35		6.46
Manufacturing Production Labor-3¼ " at $2.35	7.64	382.00
Manufacturing Assembly Labor- 1 hr at $2.10	2.10	105.00
Manufacturing Overhead at 140%		690.84
Test Labor - 1/2 hr at $2.20	1.10	55.00
Engineering Overhead at 55%		30.25
Total Costs		1279.55
General & Administrative Expense at 11.5% of cost		147.15
		1426.70
PROFTT at 12%	31.95	170.80
Total Price	31.95	$ 1597.50